

WHAT IS CLAIMED IS:

1. A method for setting a signal processing mode for reproduction of signals in a disc apparatus equipped with a tuner, comprising:

detecting the type of a broadcast signal received through the tuner;

comparing the detected broadcast signal type with mode set data stored in the disc apparatus to determine whether the detected broadcast signal type corresponds to the mode set data; and

setting the signal processing mode of the disc apparatus to a signal processing mode based on the result of the comparison.

2. The method according to claim 1, wherein the broadcast signal is a video broadcast signal.

3. The method according to claim 1, wherein the signal processing mode is one of an NTSC mode or a PAL mode.

4. The method according to claim 1, wherein setting the signal processing mode of the disc apparatus to a signal processing mode based on the result of the comparison comprises setting the signal processing mode of the disc apparatus to a mode corresponding to the mode set data when it is determined, based on the result of the comparison, that the detected broadcast signal type corresponds to the mode set data.

5. The method according to claim 1, wherein setting the signal processing mode of the disc apparatus to a signal processing mode based on the result of the comparison comprises:

updating the stored mode set data with data corresponding to the detected broadcast signal type; and

setting the signal processing mode of the disc apparatus to a mode corresponding to the detected broadcast signal type when it is determined, based on the result of the comparison, that the detected broadcast signal type does not correspond to the mode set data.

6. The method according to claim 5, wherein setting the signal processing mode of the disc apparatus to a signal processing mode based on the result of the comparison comprises setting the signal processing mode of the disc apparatus to a mode corresponding to the stored mode set data when it is determined, based on the result of the comparison, that the detected broadcast signal type does not correspond to the mode set data, when the mode set data has been updated by a user.

7. Apparatus for setting a video signal processing mode for reproduction of video signals in a disc apparatus equipped with a tuner, comprising:

means for detecting the type of a broadcast signal received through the tuner;

means for comparing the detected broadcast signal type with video mode set

data stored in the disc apparatus to determine whether the detected broadcast signal type corresponds to the video mode set data; and

means for setting the signal processing mode of the disc apparatus to a video signal processing mode based on the result of the comparison.

8. The apparatus according to claim 7, wherein the broadcast signal is a video broadcast signal.

9. The apparatus according to claim 7, wherein the signal processing mode is one of an NTSC mode or a PAL mode.

10. The apparatus according to claim 7, wherein the means for setting the signal processing mode of the disc apparatus to a signal processing mode based on the result of the comparison comprises means for setting the signal processing mode of the disc apparatus to a mode corresponding to the mode set data when it is determined, based on the result of the comparison, that the detected broadcast signal type corresponds to the mode set data.

11. The apparatus according to claim 7, wherein the means for setting the signal processing mode of the disc apparatus to a signal processing mode based on the result of the comparison comprises:

means for updating the stored mode set data with data corresponding to the detected broadcast signal type; and

means for setting the signal processing mode of the disc apparatus to a mode corresponding to the detected broadcast signal type when it is determined, based on the result of the comparison, that the detected broadcast signal type does not correspond to the mode set data.

12. The apparatus according to claim 11, wherein the means for setting the signal processing mode of the disc apparatus to a signal processing mode based on the result of the comparison further comprises means for setting the signal processing mode of the disc apparatus to a mode corresponding to the stored mode set data when it is determined, based on the result of the comparison, that the detected broadcast signal type does not correspond to the mode set data, when the mode set data has been updated by a user.

13. A disc apparatus, comprising:

- a receiver unit configured to receive a broadcast signal;
- a processing unit configured to process the signal received by the receiver unit;
- a reproduction unit configured to reproduce the signal, wherein the processing unit is further configured to detect a type of the broadcast signal received through the tuner, compare the detected broadcast signal type with stored mode set data to determine whether the detected broadcast signal type corresponds to the mode set data, and set the signal processing mode of the disc apparatus to a signal processing mode based on the result of the comparison.

14. The disc apparatus according to claim 13, further comprising a memory in which the mode set data is stored.

15. The disc apparatus according to claim 13, where in the disc apparatus comprises an optical disc apparatus.

16. The disc apparatus according to claim 13, wherein the broadcast signal is a video broadcast signal.

17. The disc apparatus according to claim 13, wherein the signal processing mode is one of an NTSC mode or a PAL mode.

18. The disc apparatus according to claim 13, wherein the reproduction unit comprises a DVD player unit.

19. The disc apparatus according to claim 13, wherein the processing unit is further configured to set the signal processing mode of the disc apparatus to a mode corresponding to the mode set data when it is determined, based on the result of the comparison, that the detected broadcast signal type corresponds to the mode set data.

20. The disc apparatus according to claim 13, wherein the processing unit is further configured to update the stored mode set data with data corresponding to the

detected broadcast signal type, and set the signal processing mode of the disc apparatus to a mode corresponding to the detected broadcast signal type when it is determined, based on the result of the comparison, that the detected broadcast signal type does not correspond to the mode set data.

21. The disc apparatus according to claim 13, wherein the processing unit is further configured to set the signal processing mode of the disc apparatus to a mode corresponding to the stored mode set data when it is determined, based on the result of the comparison, that the detected broadcast signal type does not correspond to the mode set data, when the mode set data has been updated by a user.